

MICRO-ACTUATOR STRUCTURE FOR IMPROVED STABILITY

ABSTRACT OF THE DISCLOSURE

A disc drive having a recording disc rotatable about an axis, a slider supporting a transducing head for transducing data with the disc, and a dual-stage actuation assembly supporting the slider to position the transducing head adjacent a select radial track of the disc. The dual-stage actuation assembly includes a movable actuator arm, a suspension assembly supported by the actuator arm including the flexure, a slider bonding pad supporting the slider and a microactuator. The microactuator includes a rotor attached to the slider bonding pad and a stator attached to the flexure. A beam structure operatively connects the rotor to the stator so as to permit movement of the rotor with respect to the stator. The beam structure includes a first beam pair element and a second beam pair element.